

INTERNATIONAL SEARCH REPORT

International Application No.

PCI/CH2004/000620

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B25B27/10 F15B15/18 F15B1/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F15B B25F B21J B25B H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

Express Mail No.: EV8428505XUS

Mailed: 02 JUN 2006

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 176 308 A (FRAMATOME CONNECTORS INT) 30 January 2002 (2002-01-30) column 2, line 44 - line 48 column 3, line 24 - column 5, line 26; figure 2	1,6-9
Y	EP 1 157 786 A (ARX AG) 28 November 2001 (2001-11-28) cited in the application figure 2	1,6-9
Y	US 4 735 048 A (GREGORY JACK T) 5 April 1988 (1988-04-05) column 2, line 18 - line 23; figure 1	1,7,9
Y	US 6 446 482 B1 (STELTZER GORDON L ET AL) 10 September 2002 (2002-09-10) column 3, line 46 - line 53	1
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

6 January 2005

Date of mailing of the international search report

13/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Carmichael, Guy

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CH2004/000620

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 597 228 A (AUGUSTUS GEORGE CHAMBERLAIN) 21 January 1948 (1948-01-21) figure 1	1
A	US 5 272 811 A (ARMAND MICHEL) 28 December 1993 (1993-12-28) column 3, line 47 - line 52	1
A	NL 1 014 253 C (HOLMATRO IND EQUIP) 2 August 2001 (2001-08-02)	

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/CH2004/000620

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1176308	A	30-01-2002	US 6453719 B1 EP 1176308 A1 JP 2002161904 A	24-09-2002 30-01-2002 07-06-2002
EP 1157786	A	28-11-2001	EP 1157786 A2 US 2002007658 A1	28-11-2001 24-01-2002
US 4735048	A	05-04-1988	NONE	
US 6446482	B1	10-09-2002	BR 0203948 A CA 2402582 A1 CN 1408509 A EP 1294061 A2 JP 2003159670 A	03-06-2003 17-03-2003 09-04-2003 19-03-2003 03-06-2003
GB 597228	A	21-01-1948	NONE	
US 5272811	A	28-12-1993	FR 2677908 A1 DE 69221221 D1 DE 69221221 T2 EP 0519845 A1 JP 5177427 A	24-12-1992 04-09-1997 27-11-1997 23-12-1992 20-07-1993
NL 1014253	C	02-08-2001	NL 1014253 C2	02-08-2001